

## INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2005/050461

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"802.15.3 IEEE Standard for Information technology; Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications of High Rate Wireless Personal Area Networks (WPANs)" 29 September 2003 (2003-09-29), IEEE, NEW YORK, NY, USA, (CHAPTERS 5, 7 AND 8), XP002329981	1, 34, 35, 37
A	chapters 5, 7 and 8 ----- -/--	2-33, 36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

31 May 2005

Date of mailing of the international search report

10/06/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HIERTZ G R ET AL: "A decentralized reservation scheme for IEEE 802.11 ad hoc networks"</p> <p>7 September 2003 (2003-09-07), PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 2003. PIMRC 2003. 14TH IEEE PROCEEDINGS ON SEPT. 7-10, 2003, PISCATAWAY, NJ, USA, IEEE, PAGE(S) 2576-2580 , XP010678097 ISBN: 0-7803-7822-9 section III</p>	1,2,9, 28,34, 35,37
P,A	<p>WO 2004/114598 A (PHILIPS INTELLECTUAL PROPERTY &amp; STANDARDS GMBH; KONINKLIJKE PHILIPS EL) 29 December 2004 (2004-12-29) page 2, line 5 - line 16 page 2, line 24 - page 3, line 2 page 6, line 28 - page 7, line 2</p>	1,9,28, 34,35,37
T	<p>HIERTZ G R ET AL: "Multiband OFDM Alliance - The next generation of Wireless Personal Area Networks" 'Online! April 2005 (2005-04), PROCEEDINGS OF THE 2005 IEEE SARNOFF SYMPOSIUM, PRINCETON, NEW JERSEY, USA , XP002329982 Retrieved from the Internet: URL:http://www.comnets.rwth-aachen.de/typo3conf/ext/cn_download/pil/passdownload.php?downloaddata=740^/var/www/cnhome/download s/publications/&gt; 'retrieved on 2005-05-31! section III.A, b) and h)</p>	1-37
T	<p>HIERTZ G R ET AL: "IEEE 802.15.3a Wireless Personal Area Networks - The MBOA Approach" 'Online! April 2005 (2005-04), PROCEEDINGS OF THE 11TH EUROPEAN WIRELESS CONFERENCE 2005, VOL 1, PAGES 204-210, NICOSIA, CYPRUS , XP002329983 Retrieved from the Internet: URL:http://www.comnets.rwth-aachen.de/typo3conf/ext/cn_download/pil/passdownload.php?downloaddata=736^/var/www/cnhome/download s/publications/&gt; 'retrieved on 2005-05-31! section III.A, b) and h)</p>	1-37

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>ZANG YUNPENG ET AL: "Towards High Speed Wireless Personal Area Network - Efficiency Analysis of MBOA MAC" 'Online! 25 May 2005 (2005-05-25), PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON WIRELESS AD-HOC NETWORKS IWWAN 2005, LONDON, UK , XP002329984</p> <p>Retrieved from the Internet: URL: <a href="http://www.comnets.rwth-aachen.de/typo3conf/ext/cn_download/pil/passdownload.php?downloaddata=758^/var/www/cnhome/downloads/publications/">http://www.comnets.rwth-aachen.de/typo3conf/ext/cn_download/pil/passdownload.php?downloaddata=758^/var/www/cnhome/downloads/publications/</a>&gt; 'retrieved on 2005-05-31! section I section II.B section II.B, 2)</p> <p>-----</p>	1-37

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PCT/IB2005/050461

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004114598 A	29-12-2004	WO 2004114598 A1	29-12-2004
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